NJC. ORL

1

SETUP: TAPES: 2001 ←
EXT Choir

INPUT TAPE

Portaj on, ready to unwrap.
Tambourine

BEFORE INTRO:
TURN ON TAPE RECORDER

Digitized by the Internet Archive
in 2025

https://archive.org/details/njcorl00tedn

8 YRS AGO
I PROCLAIMED
THE HYPERTEXT
REVOLUTION
New form Lit.
ALL-ENCOMPASSING

Not getting off ground
but that's okay

It's now 12½ yrs.
since I tried to write
something like this on, FAP
← we're still here.

3

"MAN-MACHINE SYSTEM" —— Make Chart.

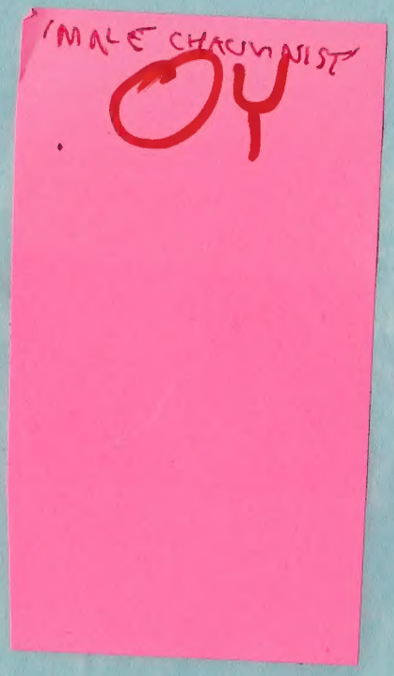
I want you to remember this folder.
Indeed, I will STOP AT NOTHING
to make sure you do.

I keep saying some old things
but people keep telling me
they understand a little more each time...

RUSSELL: "The reason is and by ... f(t) .."

I'M TAKING MY CASE
TO THE
GENERAL PUBLIC
since people in Field not very interested

Quick Sell on the Book
(both sides, independently)


MALE CHAUVINIST
OY

SPECIALLY POTENT

"MAN-MACHINE SYSTEM" — male Chauv.
MALE CHAUV. LINES

GETTING ON COMP-
GETTING INTO SYST.
Most obscenely, LOG IN

Male chauv. just one ~~exercise~~ example
& the very Rx comps. are a
projective syst ...

RUSSELL: "The person is, and by rights ..."

SUTHERLAND CAME OUT
FOR AMUSEMENT & ENTERTAINMENT
— heavy

SPECIALLY POTENT
MEDIA COMB'S
— QUICK CUTS GONE,
WHAT NOW ?

WILD POSSIBILITIES
will RESOLVE TO A FEW THINGS

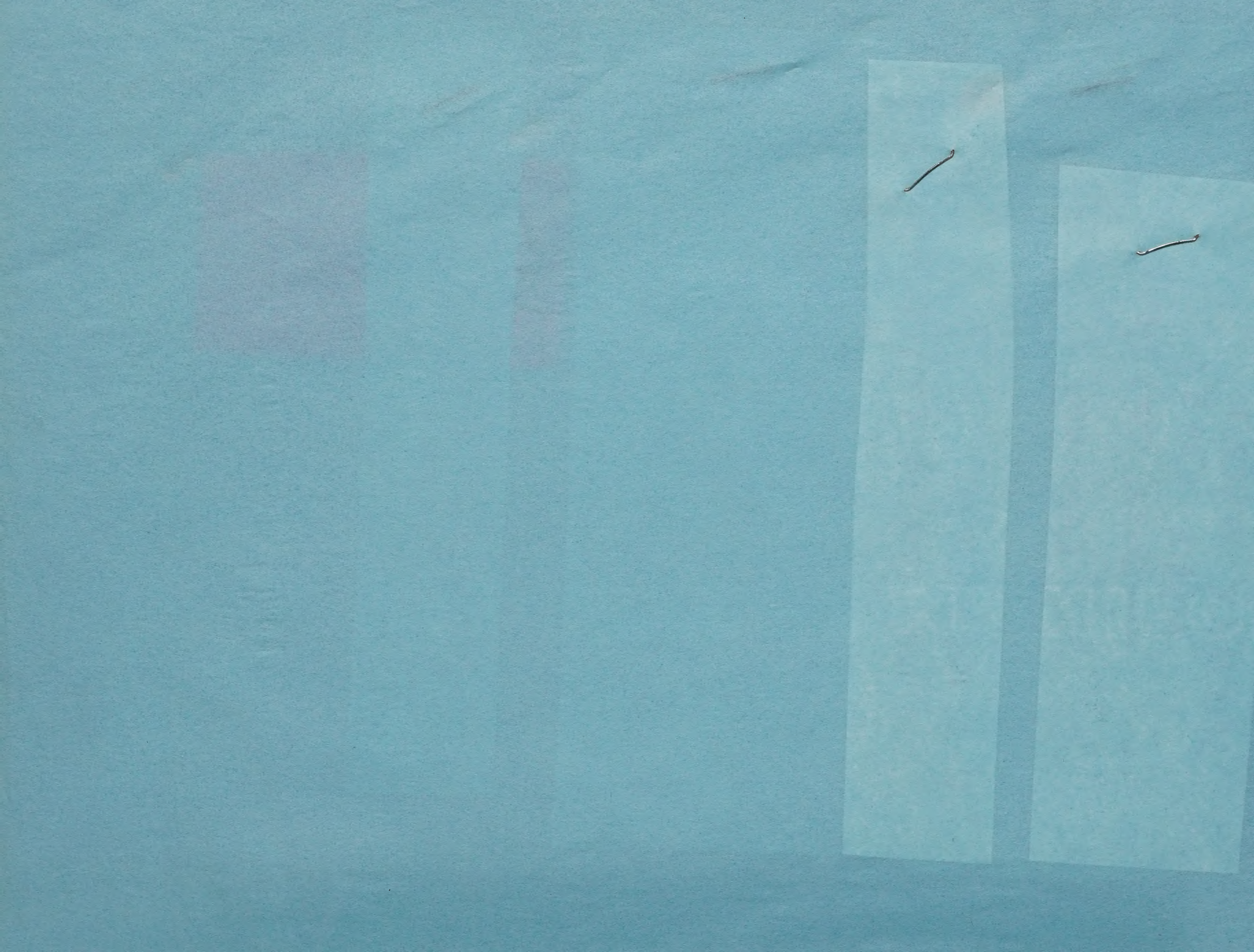
MACHINE OF IDEAS

Supposedly scientific field

Nobody foresaw Cruelle explosion

Nobody foresaw Social Catalyst

"AND VERILY
I SAY UNTO YOU
NOW, HEY ...
the next step is
widely anticipated



Preponderance of mankind's use of digital cycles will be in PRESENTATIONAL SHOVELING. of stored material.

THE VENDING MACHINE OF IDEAS

Supposedly scientific field

Nobody foresaw Cassette Explosion

Nobody foresaw Pocket Calculator

"AND VERILY
I SAY UNTO YOU
NOW, HEY ..."

The next step is
widely unanticipated.

7

MY NEW PERF. TAU (& XU)

Review what Comp. Displays are supposed to do.
(Ref. to my XU Sgt. to be ignored)
APE SEQUENCE

{TRANSITION STRUCTURES & PERF. VALUES} interfaced

THREE TYPES OF ROVING

Form & Pos

Form

Pos

(PERF MET)

MY NEW PERF. TML (&XU)

~~Rov, Roves~~

~~ND~~ Creep

{ TRANSITION STRUCTURES & PERF. VALUES } intertwined

THREE TYPES OF ROVING

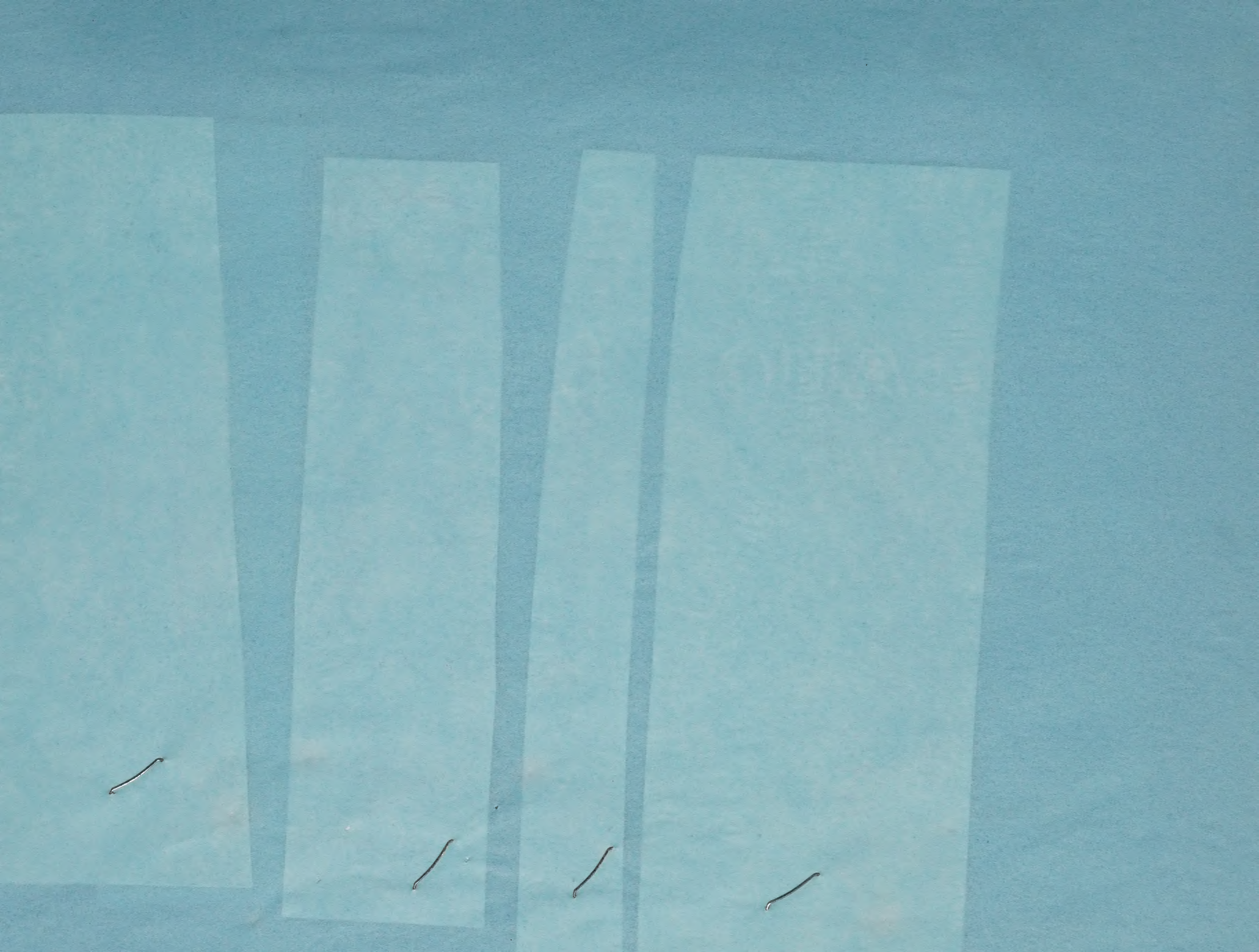
Forms of Rov.

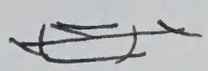
JUMP

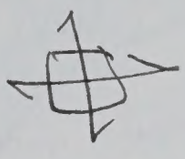
CREEP

PERFORMANCE STEP (RATCHET)

→ Special case: Quantum frames

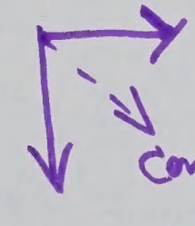


Rory :- 1D 

2D 

3D

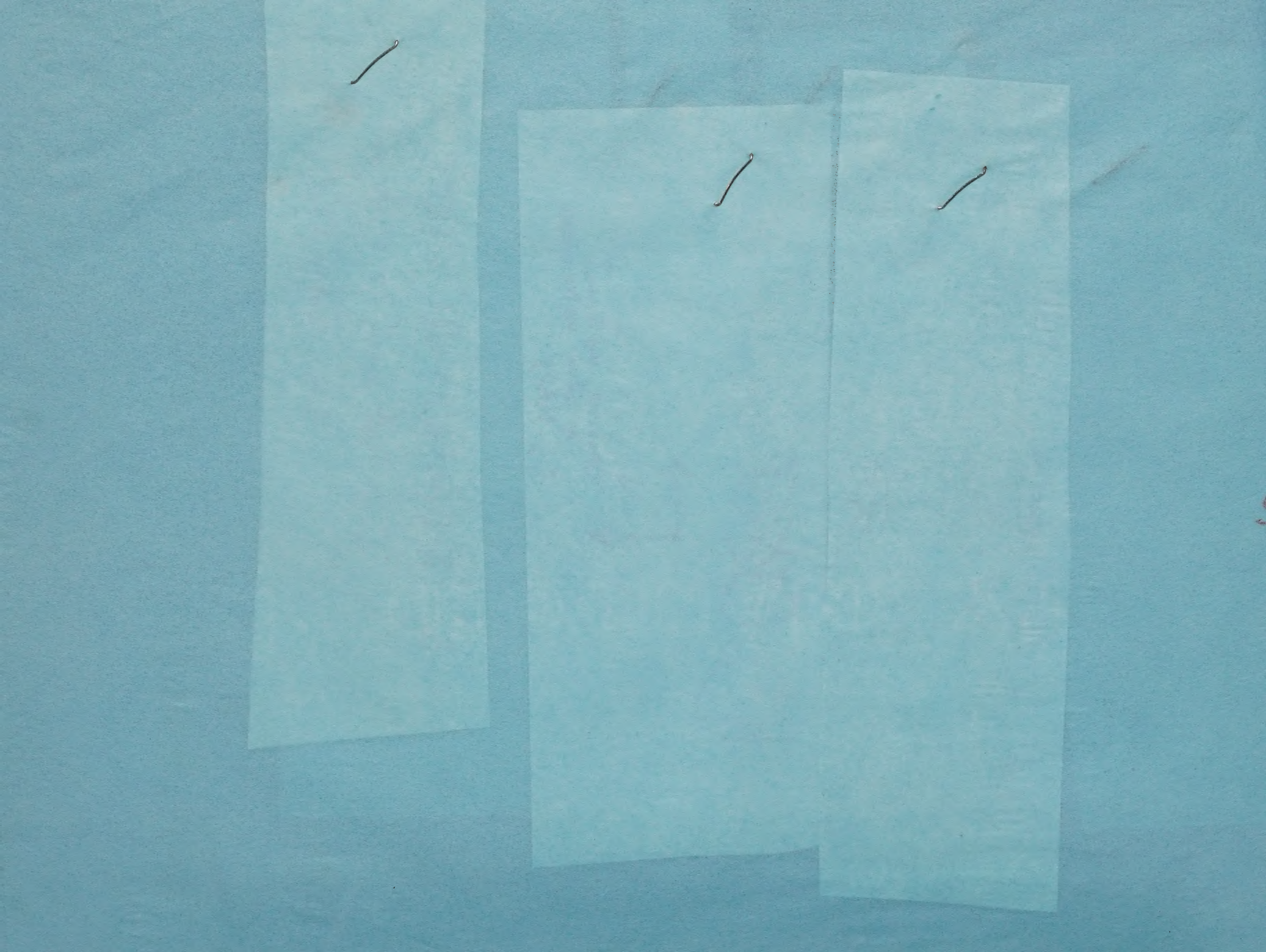
# ND CREEP




By N-DIMENSIONAL CREEP
I do not mean to cycle out
any individual...

Between display & storage granularities

ISLAND-HOPPING



(ROWING is NOT RATCHET)

# JUMP

## PERF. RATCHET

vs USER FRAMING

exceptions due to GRANULARITY of display & storage structures & funky matches between display & storage granularities

ISLAND-HOPPING

(ROVING is NOT Rotation)

PROGRAMMABLE ENV SPECIFICATIONS
My Δ → OVERRIDEN BY USER

(XU curators) AUTHOR'S FRAMING
vs
USER FRAMING

Dot. ~~##~~ WEB
Representing TISSUE

Discrete (jumplike) convex

Continuous convex

Why a vector CRT? ⇨ ~~MAT~~ ROVING

Text must move smoothly
AND other d. stuff. ROVER ON

PRINCIPAL ANIMATIONS on vector CRT

SLIDE

GROW/SHRINK

FRAME ANIMATION

See GT40 if you want the idea

INTERPENETRATING SCREENWORLDS —
transparent
connex
between files

~~INTERPENETRATING SCREENWORLDS~~
— Zero ~~tariff~~ customs crossings

WINDOWING ACROSS WORLDS
FACES, LAYERS,
PLAYWORLDS
WORKLANDS

BOUNDARY FLAGGING ON REQUEST;
(Rory interrupt. He by customs)
of editor/user req.

16

HYBRIDIZATION CONCEPT

INTERCONNEX STRUX (discrete)

MULTICOUPLING

PARALLEL PATHS
with dimodia

(PAT PIX)

17

HYPERTEXT CONCEPT

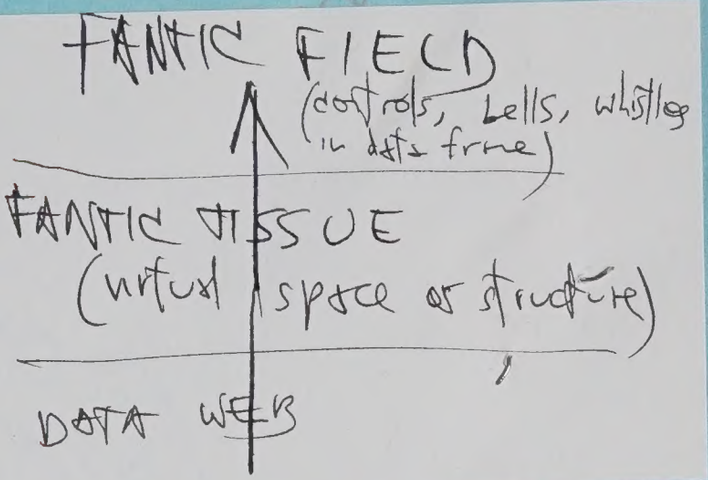
PARALLEL PANELS
with gimmick

(PAT PIX)

# FIELD SYSTEMS

~~(PTF)~~

The Fantic Field
is our
True Zone of Concern.




'HARPIST' word

NEW PTF
5-MIN. RULE.

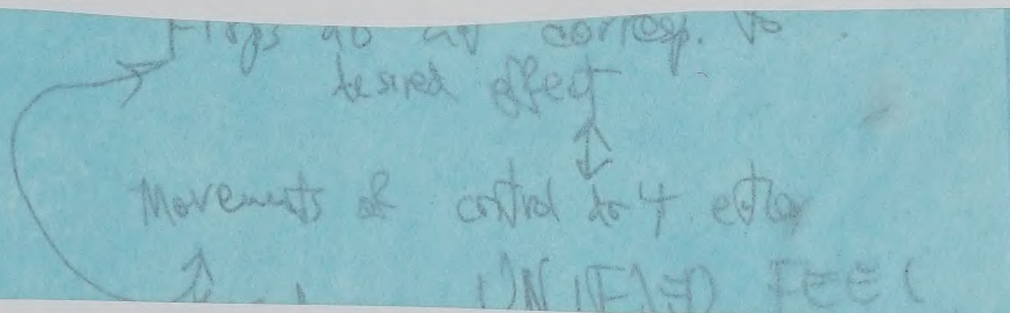
COPY RIGHTS — NO CREDIT
THIS IS FIRST FULL PUB. DISCLOSURE

GRAND TYPES INTERCONNECT

(HARPIST) NET-PLUCKING

RECURSIVE COUPLING

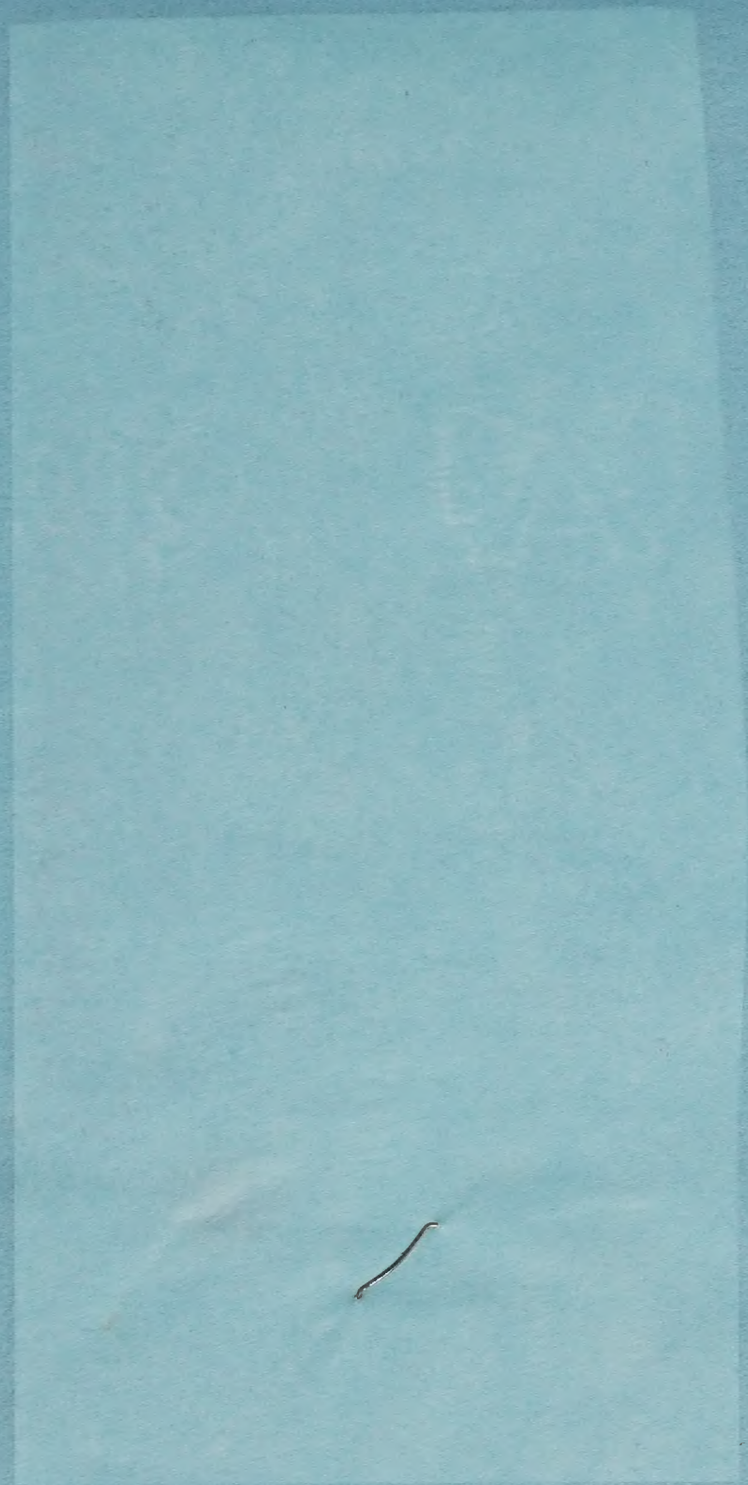
DIACHRONIC COUPLING

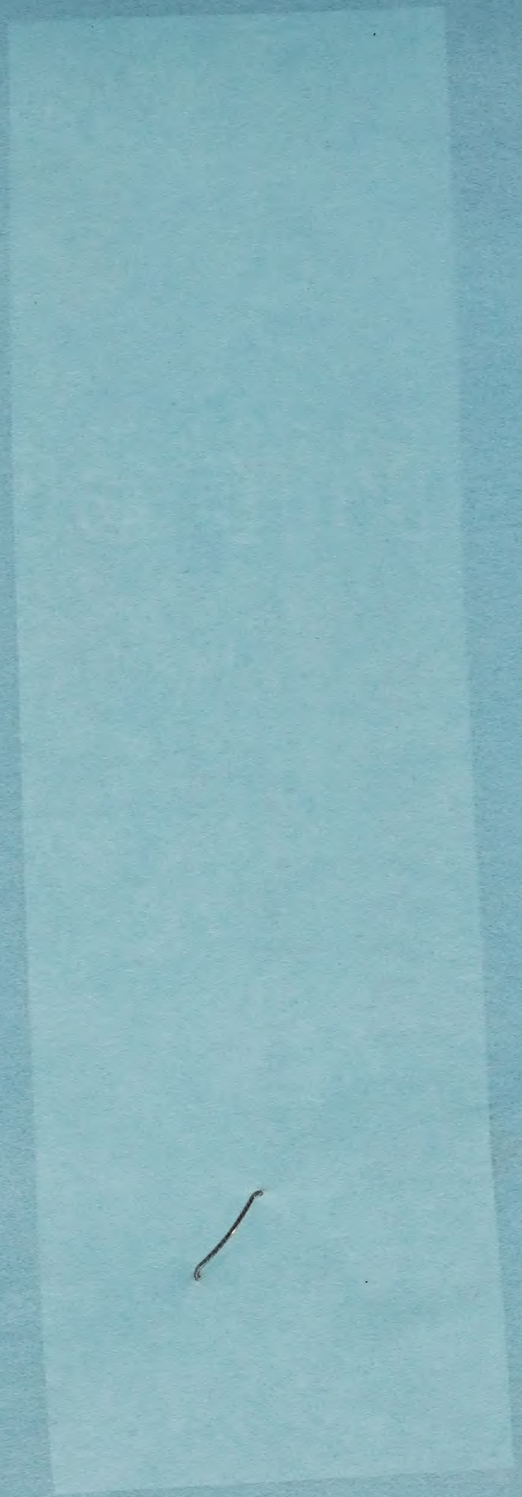



'HARPIST' sorta

~~down~~ through coupler fields!

SAMPLING BY CONNECTIVE STRUCTURE



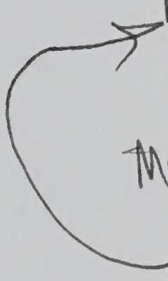


GEN. DEV.

# FANTIC UNIFICATION

tying various flys together in a
central presentation or control structure
which unites them conceptually.

Example: WING-FLAPS
UNITED CONCEPTUALLY
BY PILOT STICK.

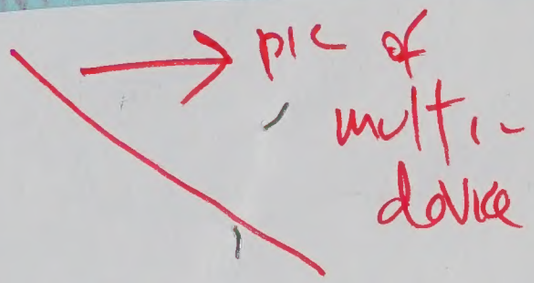



UNIFIED FEEL
of point

Extensibility of Terminology to all forms — "Man-Mach. Evolution"

GEN. DEV. END OF DOMAIN STACK

THE GLOVE (example & Gestation)




Central Gfx System

→ PLATO p'd. gm

→ PTO is General & will evolve THAT-S

(Search for CAD as an Object Notion that all shd. be Comm

FORESEE THE EXTENSION OF GRAPHIC SYSTEMS

TOWARD UNIV. STRUCT.

Alternatives: 1. CENTRAL (PLATO)

~~FORESEE THE EXTE~~ Central Gfx Syst

→ PLATO pidgin,

→ PTO is General & WILL EVOLVE THAT AWAY

(Tough for CAD as an Art

Notion that all shd. be Curric/ux

# THE OTHER APPROACH.

* Syst. designed from scratch to do the things we've been talking about.

XU

1 XU INTERIOR — Overview &

2 XU FILE (pieces, relations, compl'n)

3 XU Network

4 XU Conventions

If UNIX-1 is the Rolls-Royce,
this is the MAZDA
of Comp. Graphics

XU 34
does not need
~~to~~ VIRTUAL MEMORY

ALL IT IS:

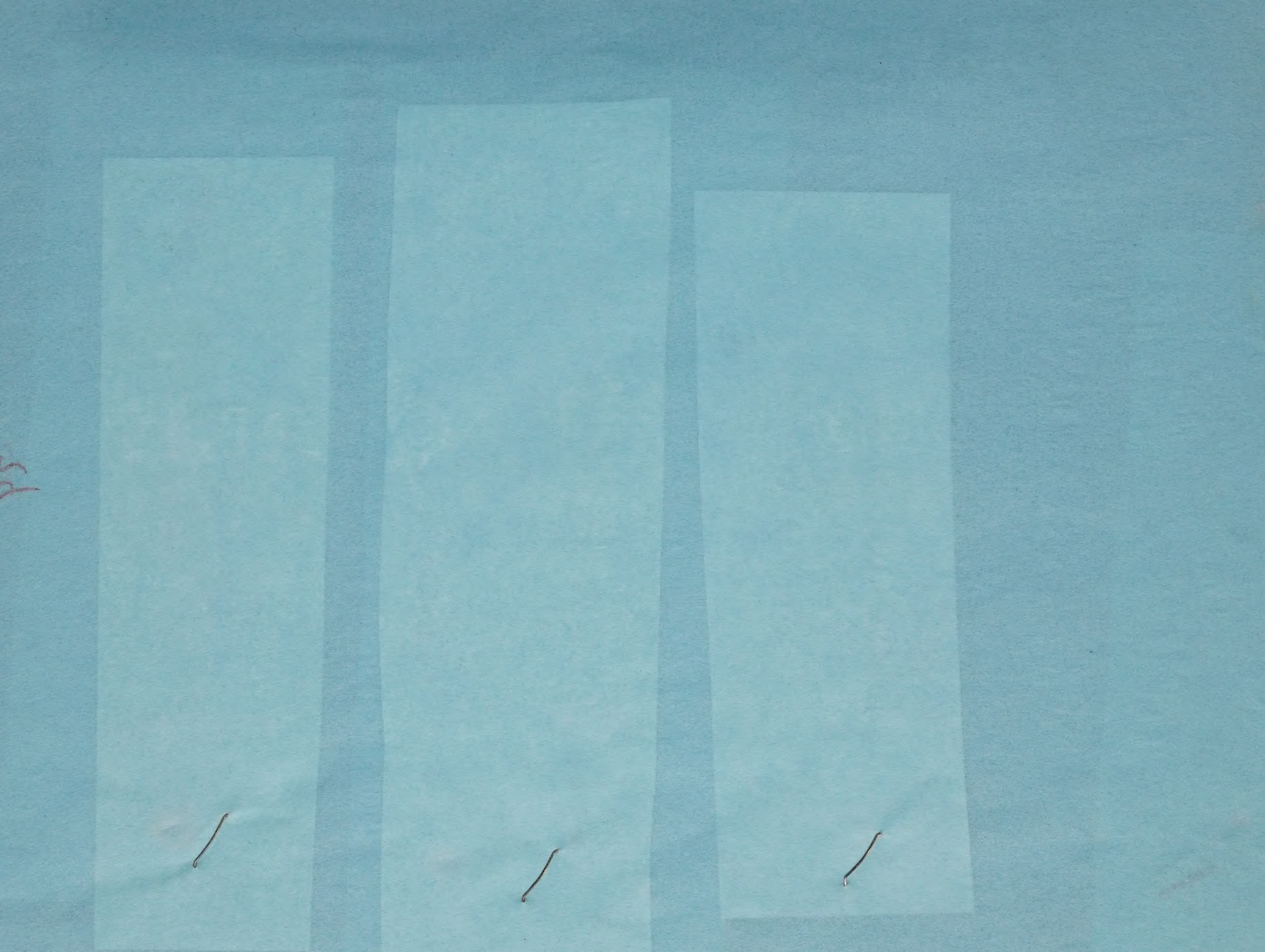
Universal
Programmed
Presenter

XU is a SYSTEM PROGRAM

Extended, Generalized
Retrieval-and-Display Complex

It's a
SPECIAL-PURPOSE
SYST. PROG.
FOR RETRIEVAL
& File Strux

NO COMBINATORIAL EXPLOSION...
CONTROL ALWAYS WELL-DEFINED



XO does not need
~~do~~ VIRTUAL MEMORY,
~~ASSOCIA~~TIVE MEMORY
LIST PROCESSOR (i.p.i.m.ig.)

(ser. retrieval system
(serial & seq.)

CAS system
No WAY Artif. Intelligence
Content Retrieval

~~It does~~
~~NO A.I.~~
NO NUMBER-CRUNCHING

No SIMULATION EITHER

NO USER LANGUAGES
(except canned Progs & Dft. Ops)

NO USER-PROGRAMMABILITY

No COMBINATORIAL EXPLOSION...
CONVEX ALWAYS well-ORDERED

WHAT XANADU ISN'T

Gen. "retrieval system"
(search & scan)

CAS system

IN NO WAY Artif. Intelligence
Content Retrieval

~~It does~~
~~NO AI~~

NO NUMBER-CRUNCHING

No simulation either

NO USER LANGUAGES
(except canned Forms & Options)

NO USER-PROGRAMMABILITY

— it's a ≠ canned program

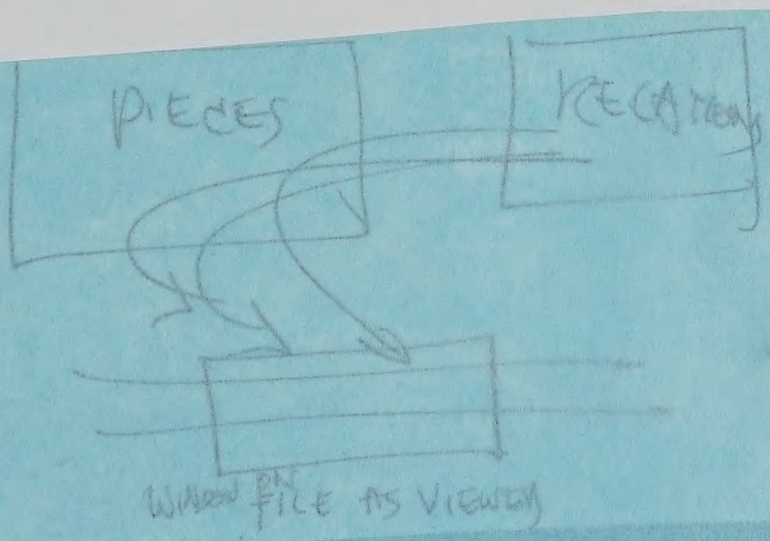
Adds, subs on flys ofrs

27

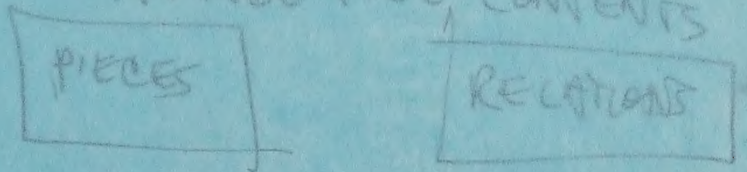
UNIVERSAL PIECEWISE STORAGE
with all interrelations and structures of progs

XU

syst. prog. of
Minicomp-based
self-networked
disp.- & retrieval complex ~~system~~
with multi-windowed
incremental animated roving
in
of n-dim. data structs
arb. size & connectivity.



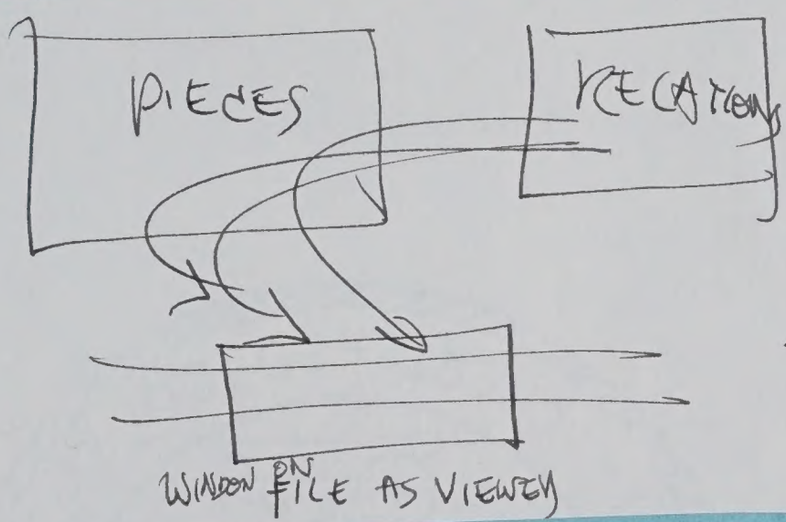

XANADU FILE CONTENTS



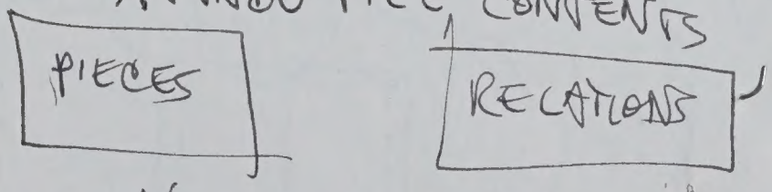

No HIERARCHY
No ~~FIXED~~ ORDER
No TEMPORAL SEQUENCE
No FIXED NUTTIN

UNIVERSAL PIECEMEAL STORAGE
with all interrelations and structures of pieces
SPECIFIABLE AT RUN-TIME

i.e. SEQUENCES
HIERARCHICAL RELATIONS
& so on

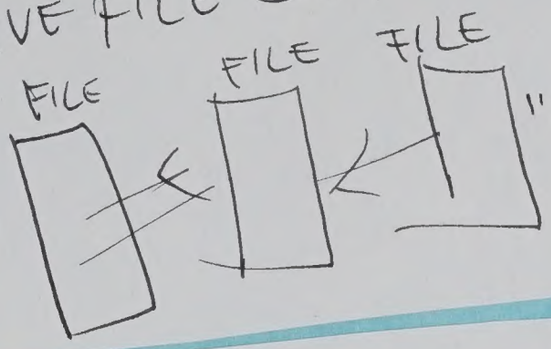


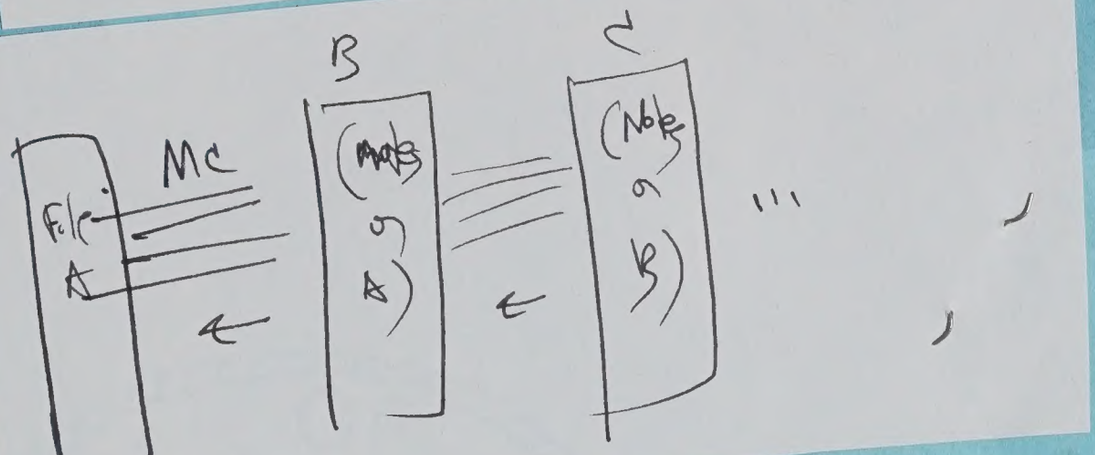

XANADU FILE CONTENTS



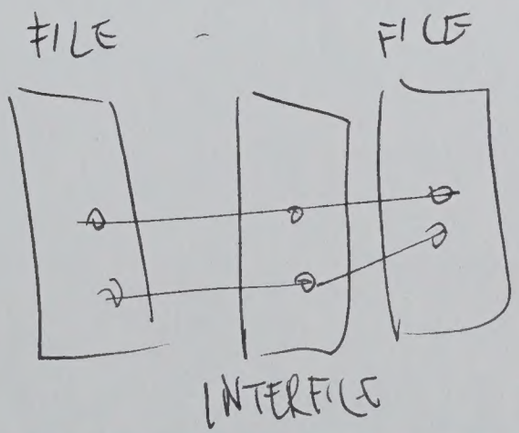

No HIERARCHY
No ~~FIXED~~ PARTICULAR ORDER
No TEMPORAL SEQUENCE
No FIXED NUTTIN

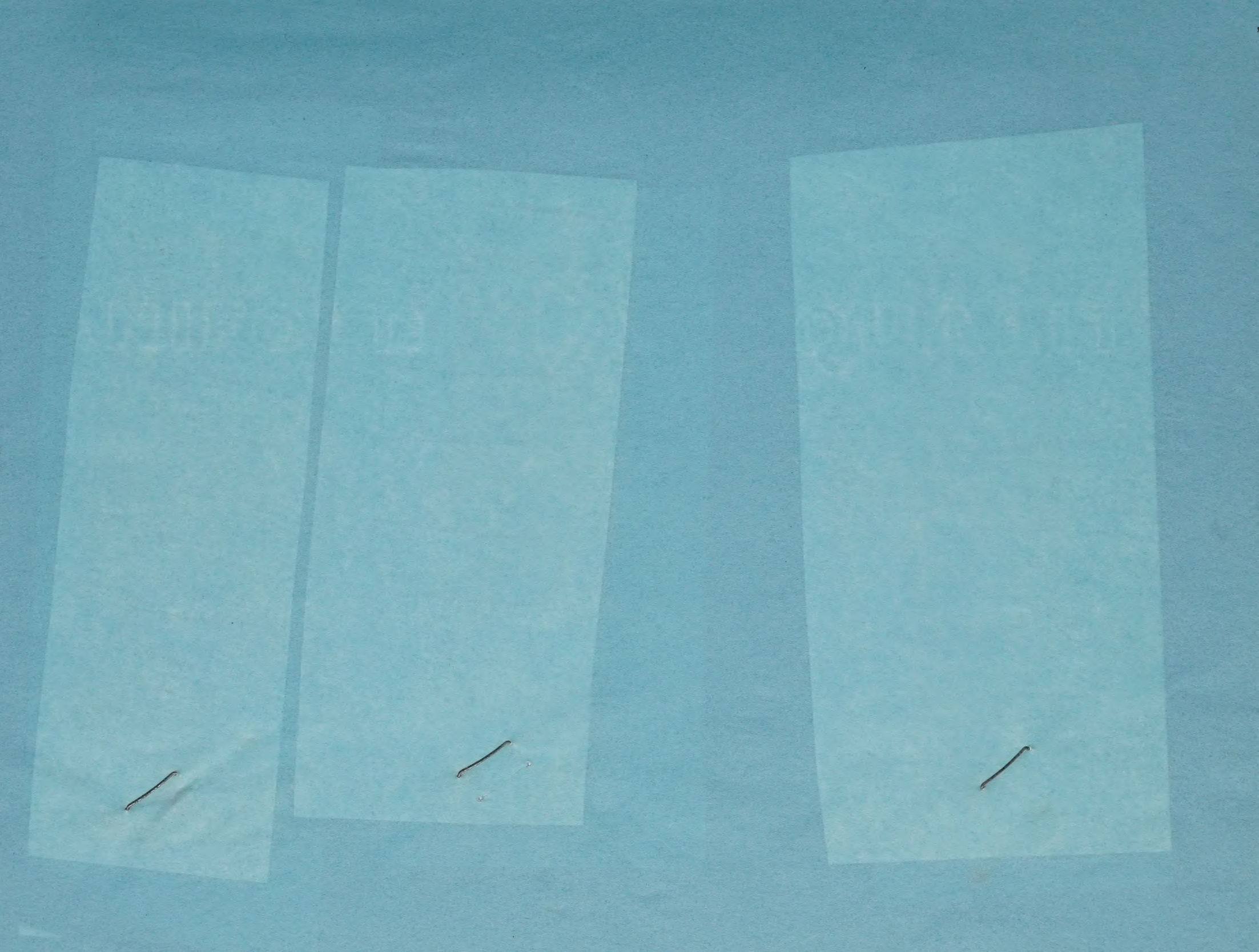
## RECURSIVE FILE COUPLING




## FILE INTERCOUPLING



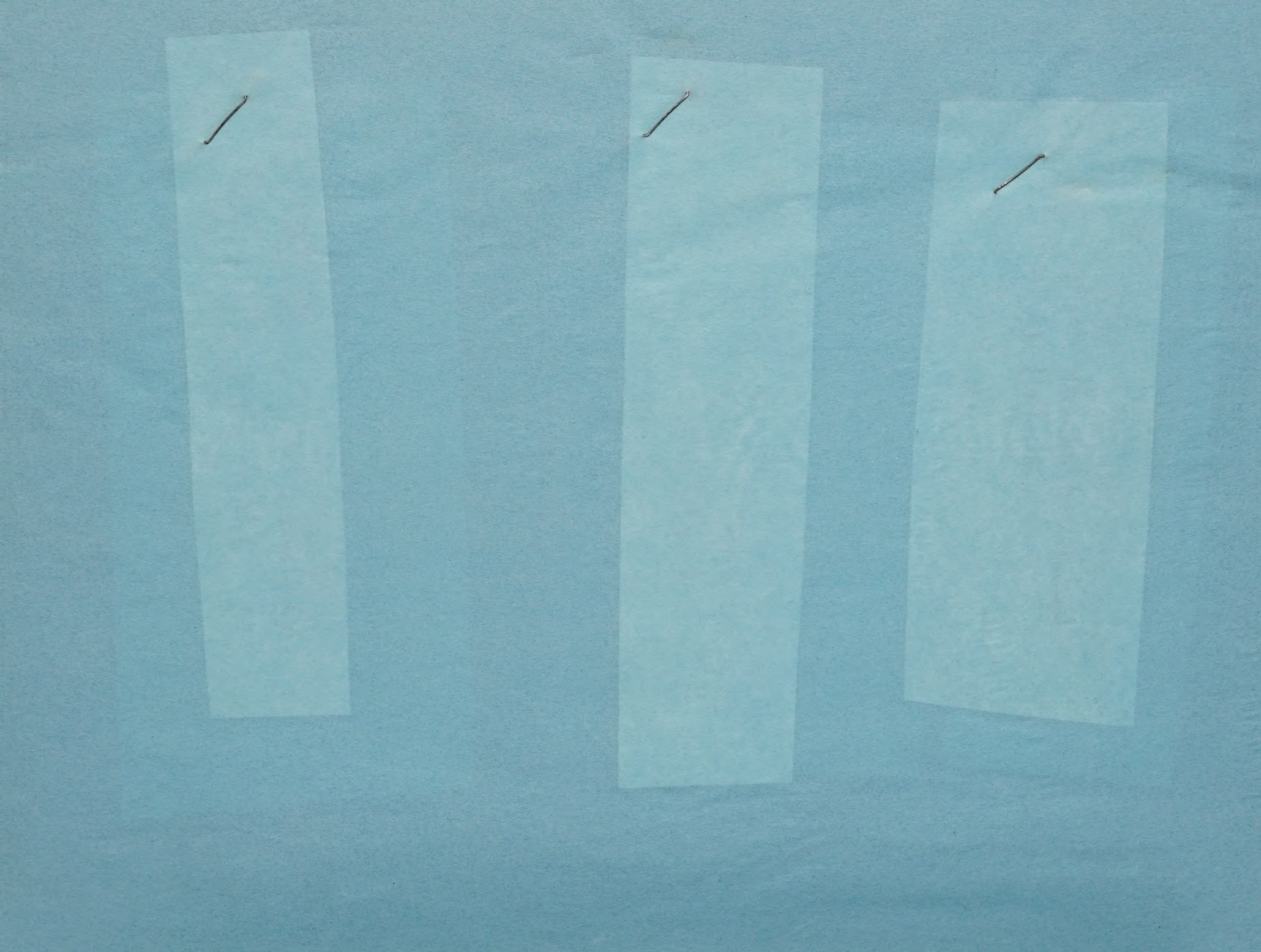


330

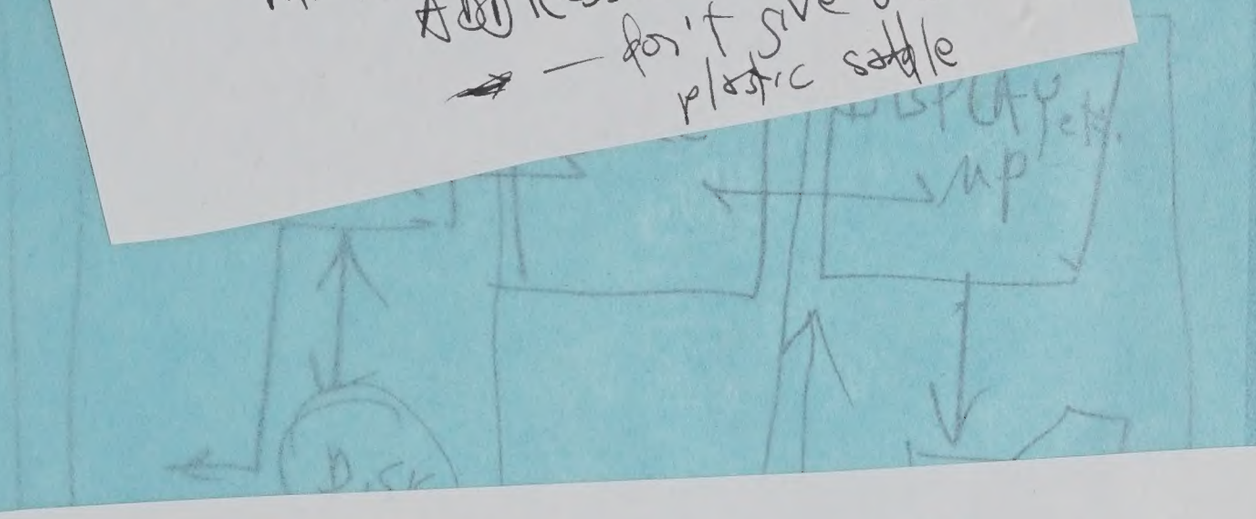
Unit of the Xu. f.k
Separately Addressable complex:
the ENFILADE
(up to 15)

ADDRESSABLE
FILE ENTITY =
THE ENFILADE

Enfilade: 270
ADDRESSABLE ENTITY



It is optimized for
MINI w NUMERICALLY
ADDRESSABLE DISK
→ — don't give me the
plastic saddle



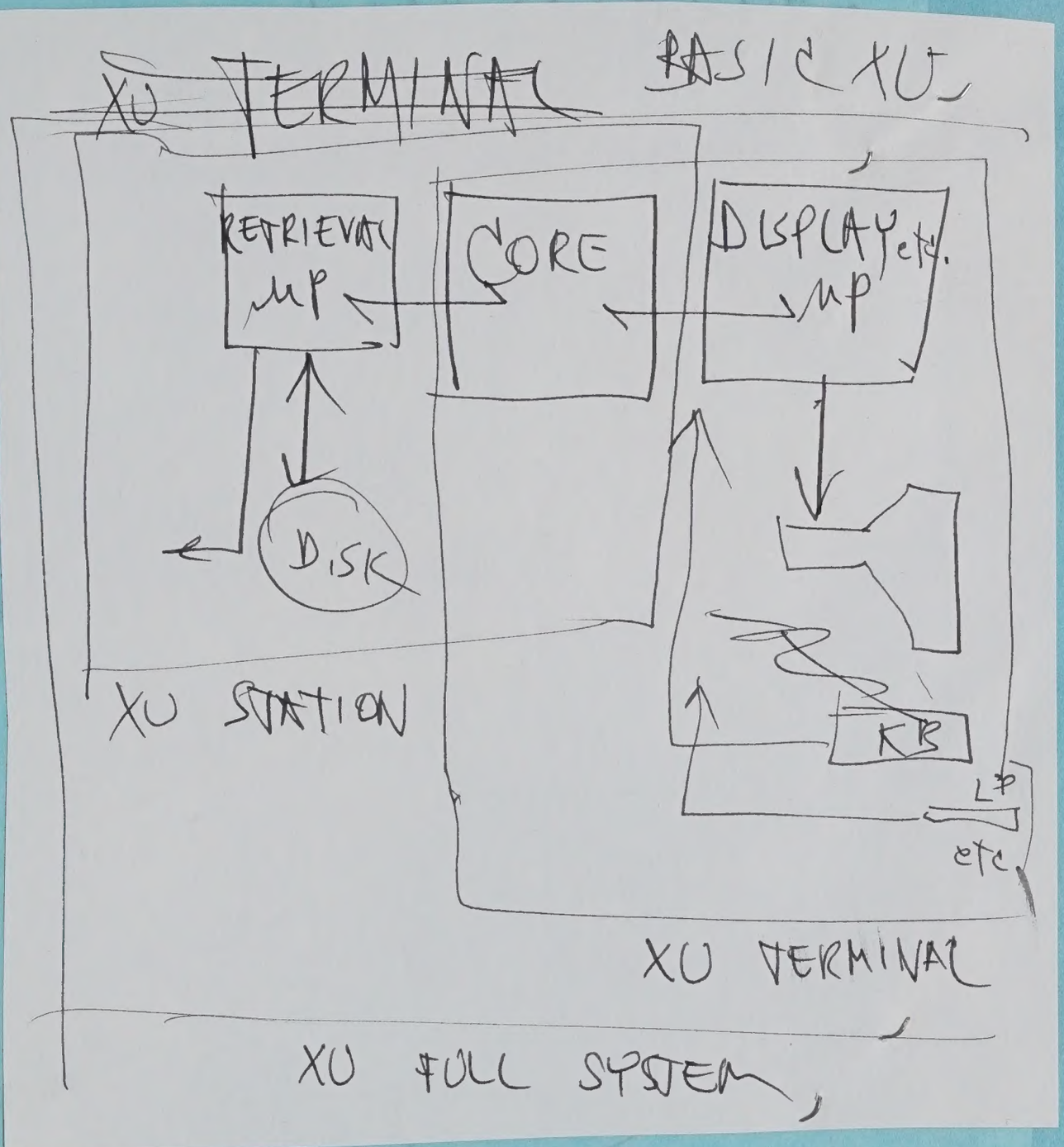

Can you use it on the 360?
(If I buy your Mark,
can I sit in it on the back of
my truck?)

YES BUT

MAYBE YOU COULD
BUT THE FACT THAT YOU ASK
SHOWS YOU HAVE NO IDEA
WHAT I'M TALKING ABOUT

you're throwing away retrieval
if you use IBM's

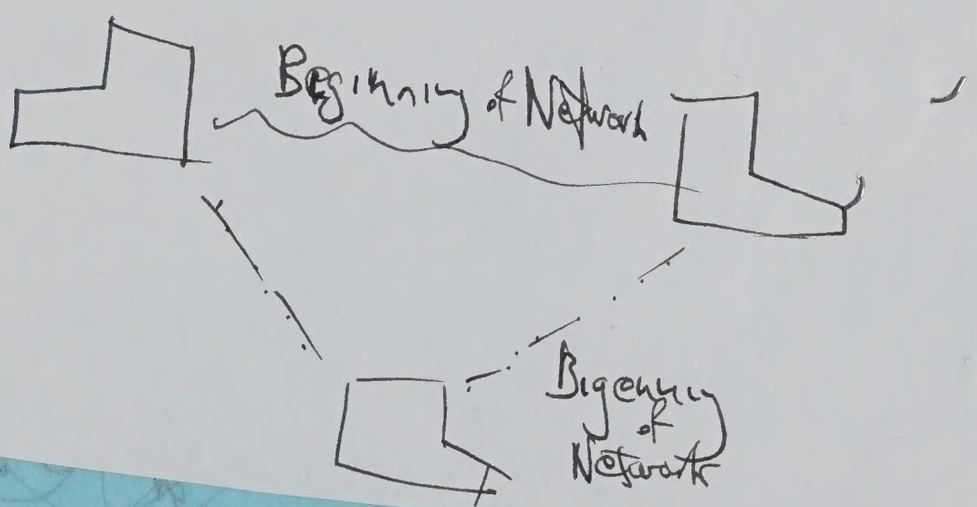
you're throwing away display power
if you go through
360 interrupt structure
TCAM/HASP


XU TERMINAL
BASIC XU
RETRIEVAL MP
CORE
DISPLAY etc. MP
DISK
XU STATION
KB
LP
etc
XU TERMINAL
XU FULL SYSTEM

Size of Local Corpus
limited by Local Disk & Tape.
BUT: NETWORK

Xanadu is
SELF-NETWORKING
(hermaphroditic)

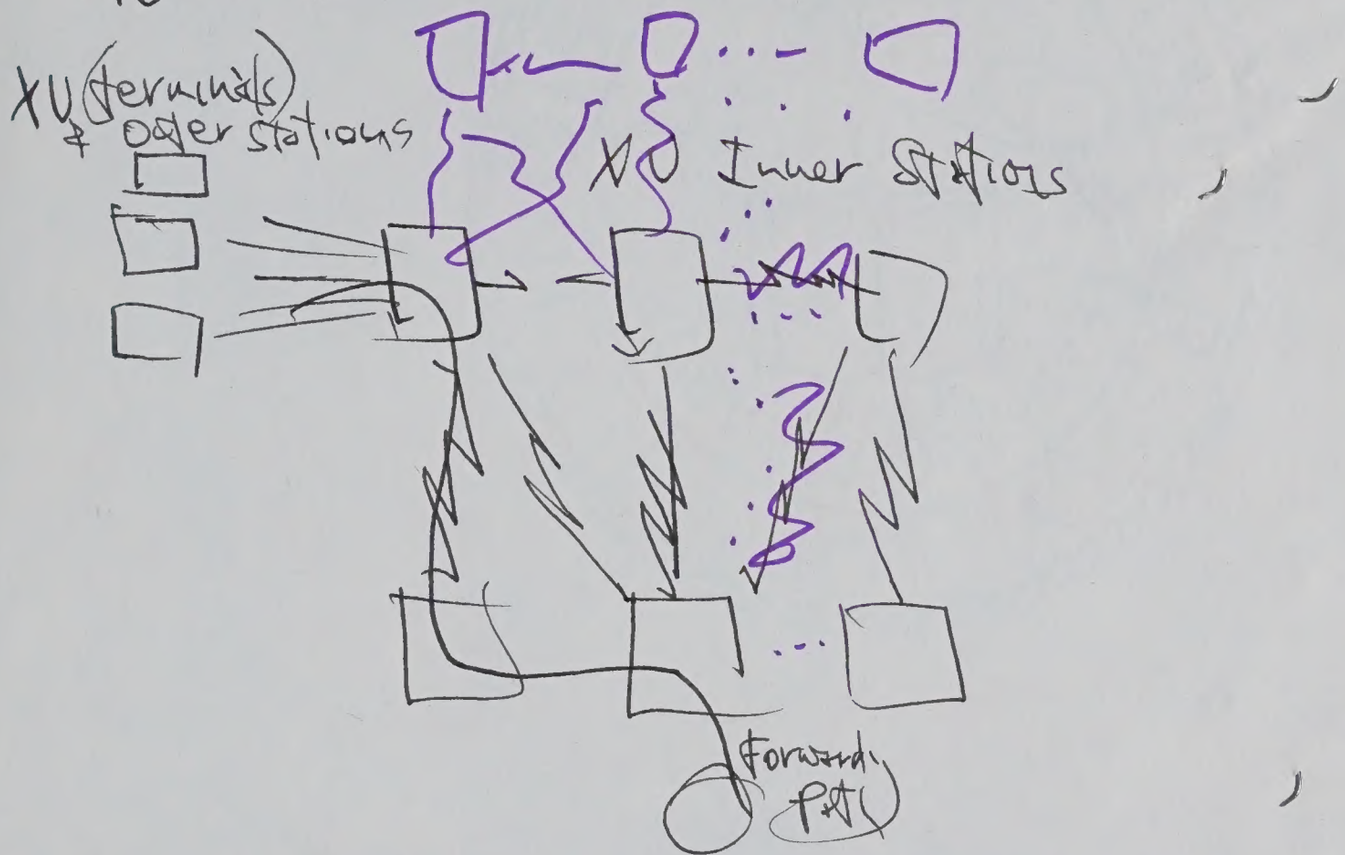
Smallest
XU Network




THE DIAL-UP NETWORK
WILL DO

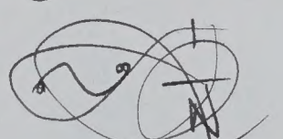
decentralized

# XU COMMERCIAL NETWORK




N CONNEX between ~~terminals~~ inner stations

suggests



LOW NUMBER OF FORWARDING STOPS

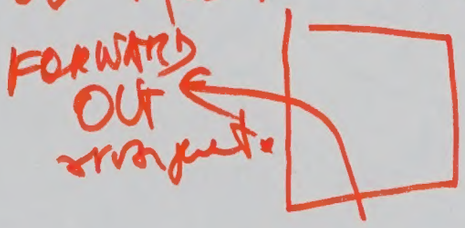
AU Network: WINKLES

ROVING SPEED

depends on buffer corp
and priority
(assigned by tariff)

(we said no user languages)

IF YOU MUST COMPUTE SOMETHING




ROTATION
don't do this

depends on

Response Time
Desired

Service Classes

SUPER-INSTANTANEOUS
PRIME-TIME

AS-AVAILABLE [encouraged
GRAVEYARDS SHIFT
→ still better perf. than most libraries

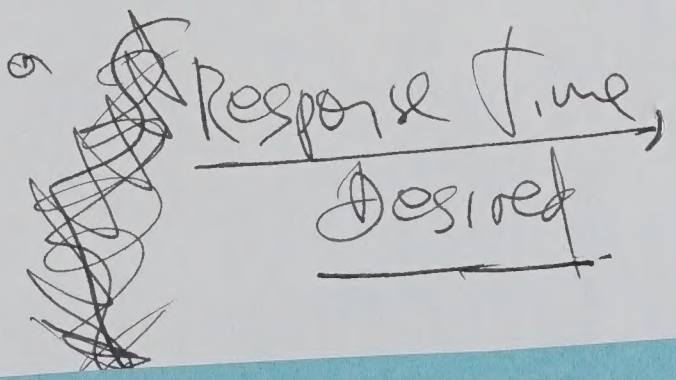
# XU Network: WRINKLES

LOOKAHEAD algorithm
current lines of movement
and to available jumps

→ EXPENSIVE
IN PROPORTION to DIRECTIONS, JUMP OPTIONS

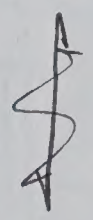
Aggregate
Core required
on Multi-Stop

depends on




Service Classes

SUPER-INSTANTANEOUS
PRIME-TIME

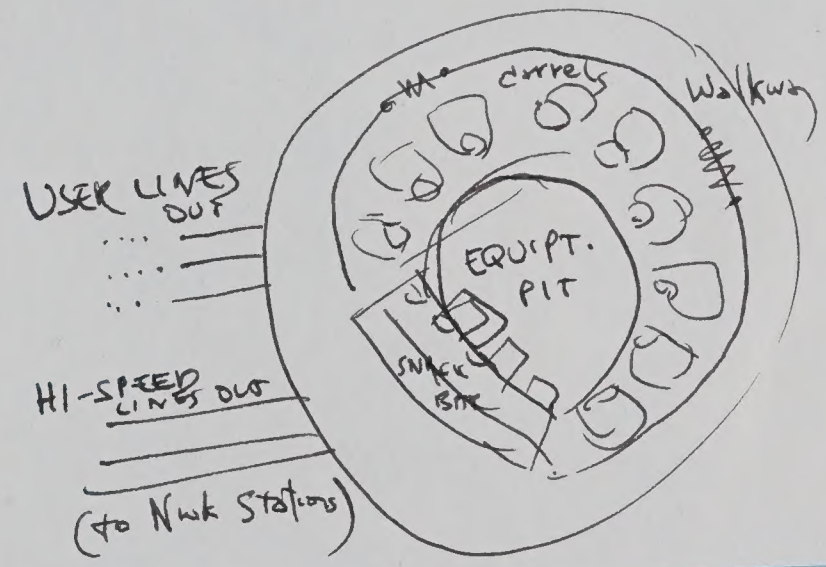


AS-AVAILABLE [Guaranteed 1-hr response]
GRAVEYARD SHIFT
→ Still better perf. than ~~most~~ libraries

37 36

McDONALD'S pic

XANADU STAND



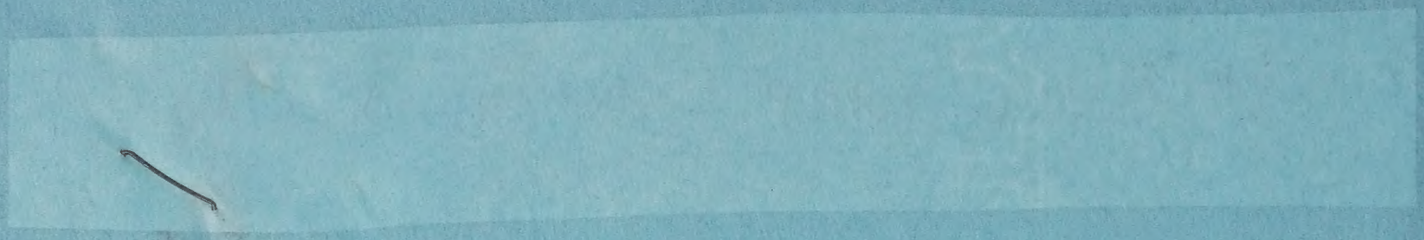
DIGITAL NETWORK PUBLISHING

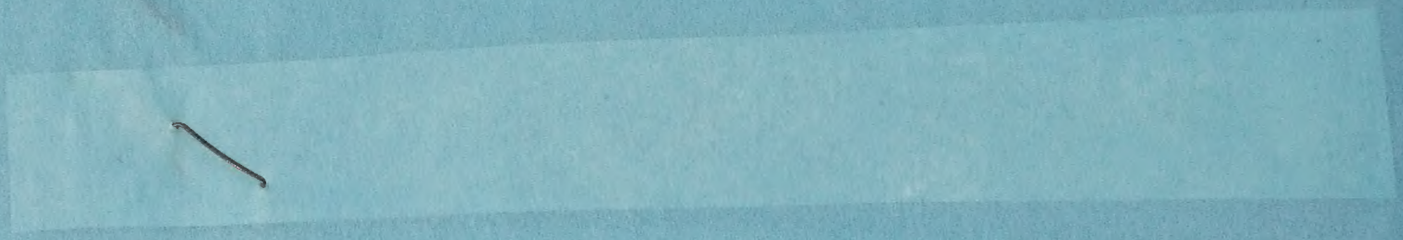
BALANCING SUPPLY & DEMAND X TIME

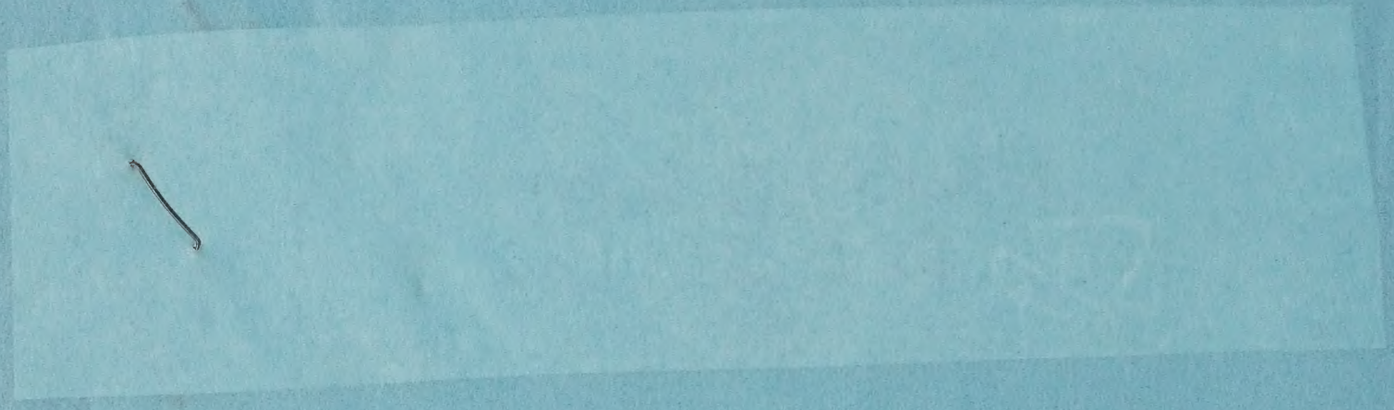
Objective: 24-HOUR FULL UTILIZATION

Notion of
RESERVING SERVICE
for a given hour

Objective:
network open to
non-owning suppliers,
and use of the network via







DIGITAL NETWORK PUBLISHING

XANADU PUB. CONVENTIONS

XU FILE CERTIFICATION
based on ADHERENCE TO PUB. CONVENTION & FIDUCIALS

... CHECKLISTS CHECKS ...

* XANADU CONVENTIONS (SUMMARY)

Copyright
Availability
Forwarding
Fiduciary
Tariff
Royalty

Certifiable XU Participant file

Detective:
XU network open to
non-conforming suppliers,
aware of the framework, viz.:

A "XANADU™ FILE
PARTICIPATING

FIDUCIALS

Data Integrity Non-Disclosure

... crisscross checks ...

XANADU CONVENTIONS: 1) ~~AVAILABILITY~~, ~~SECURITY~~

2) IN-COUPLING & 3) HISTORICAL, NON-WITHDRAWAL CONVENTIONS

4) MULTI-FIDUCIALS

5) FORWARDING, ~~PURCHASE~~ & ROYALTY CONVENTIONS

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1: TARGET STRUCTURE

☆ GREAT MENTAL FREEDOMS
Go where you want
SYST STATES TRACE W. ANONYMITY CHECKS

(prev. example of freedom:
how you want
boundries to behave)

3: OVERKILL

It turns out to be
Much More Grand

ANTHOLOGIC FREEDOMS

Centripetal: CREATE YOUR OWN

Centrifugal: ESCAPE THE ANTHOLOGIST
or go along beside him
in related fashion

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1? TARGET STRUCTURE
was PTF

2? TARGET MACHINE
was GT/40
or Single Class

[SHOW PTF]

3? OVERKILL
It turns out to be
Much More General

PF is by far Toglest Appl.

4? Hope to get it on
TWO FAST INTELS PLUS CORE
or other MPROX

FLOWCHARTED;
PRESENTLY DOING IN FORTRAN
PDP-11 as Target

BE SURE TO SEE GT 40
IF YOU HAVEN'T.

will be available
only - DARK TANGLE FORK
for ..Soft. future

{ NO DOC, NO SOURCE

8K GT 40
is real
Target;
how much core' left
we don't know,
we haven't assembled yet
16K 11/45
with Vector G/.
is Intermed. Target

1974: ~~???~~
XO TERMINAL ~~IS~~ R
XO FULL SYSTEM ~~=~~ SICK

FLOWCHARTED;
PRESENTLY DOING IN FORTRAN
~~on~~ w/ PDP-11 as target
Hope available by Sept.

Will be available
only in DARK TANGLE FORM for ~~in~~ left. future
( NO box, No SOURCE

Immed. Marketg Plans
1. RETRIEVAL & STORAGE
Fall 73? Simple HT syst., like Grmody's at Brown
2. COMPOUND ENVTS & PARALLEL PROCESS

1974: ~~1975:~~
XU TERMINAL ≤ $5K
XU FULL SYSTEM ≤ $10K

Levels & participation.

1) We'll ~~[illegible]~~ offer the whole packaged program to system builders.

2) Won't set up Libraries ~~for~~ & pub. cos people who want to run them

3) franchising? XU ctd

---

4) For non-participants = the benefit of using the trademark ~~if they~~ & pub. network if they conform to XU file conventions.

Contemplated

# LICENSING STRUCTURE

1. Whole system program to Mini Mfrs.
2. Use of Trademark to participating publishers
3. Franchised Xen-tu Stands & Stations

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Excuse me now
while I
STRAP ON MY CRCT,

Looks like cross bet. 2001 & MIKADO

(Portsxon
It's is in) THOUGHT SUPPORT PACK

Pretend Portsxon
has CASSETTE

EXPLAIN [illegible]
→ [illegible]

Explore Portsxon
CREDIT TOM BARNARD

Next Move Unclear
Seriously Contemplating
Study + Church

Will talk about

Orientors,
roses, maps & wasplets,
Ticklers & Blurbs
Frames & Furniture

Always Cogent remarks on paper (I've forgotten)

See, XANADU is NECESSARY for me

I have OPP. OF TOTAL RECALL

My mind = DIS-integrated circuit

(Reprise on Proj. System)

EACH of US ELEVATES WHAT HE DOES BEST

Clears intersections,
complex logic,
PUSHING CLERKS AROUND
AND MAKING THEM
GO THROUGH RIGHT HOLES

Ik = theme ...

Next Move Unclear

Seriously Contemplating
Family + Church

87

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"People call my writes Orwellian"...

ORWELL 1

Let's draw the line
between those who regard this all
is a branch of comp. science,
and those who recognize it as a branch
of writing and movie-making.
THE APOTHEOSIS

EXEC. Br. of Govt.

CRUCIAL ASPECTS & DISTINCTIONS
OF AN ENTIRELY NEW, IN MANY WAYS,
REALM OF HUMAN ENDEAVOR
& EXPERIENCE...

not cluttered w
MUMBO-JUMBO
from CREEDS OUTWORN.

ORWELL 2
HONEST, SIMPLE

50

"People call my system Orwellian"...

ORWELL 1

What 1984 was

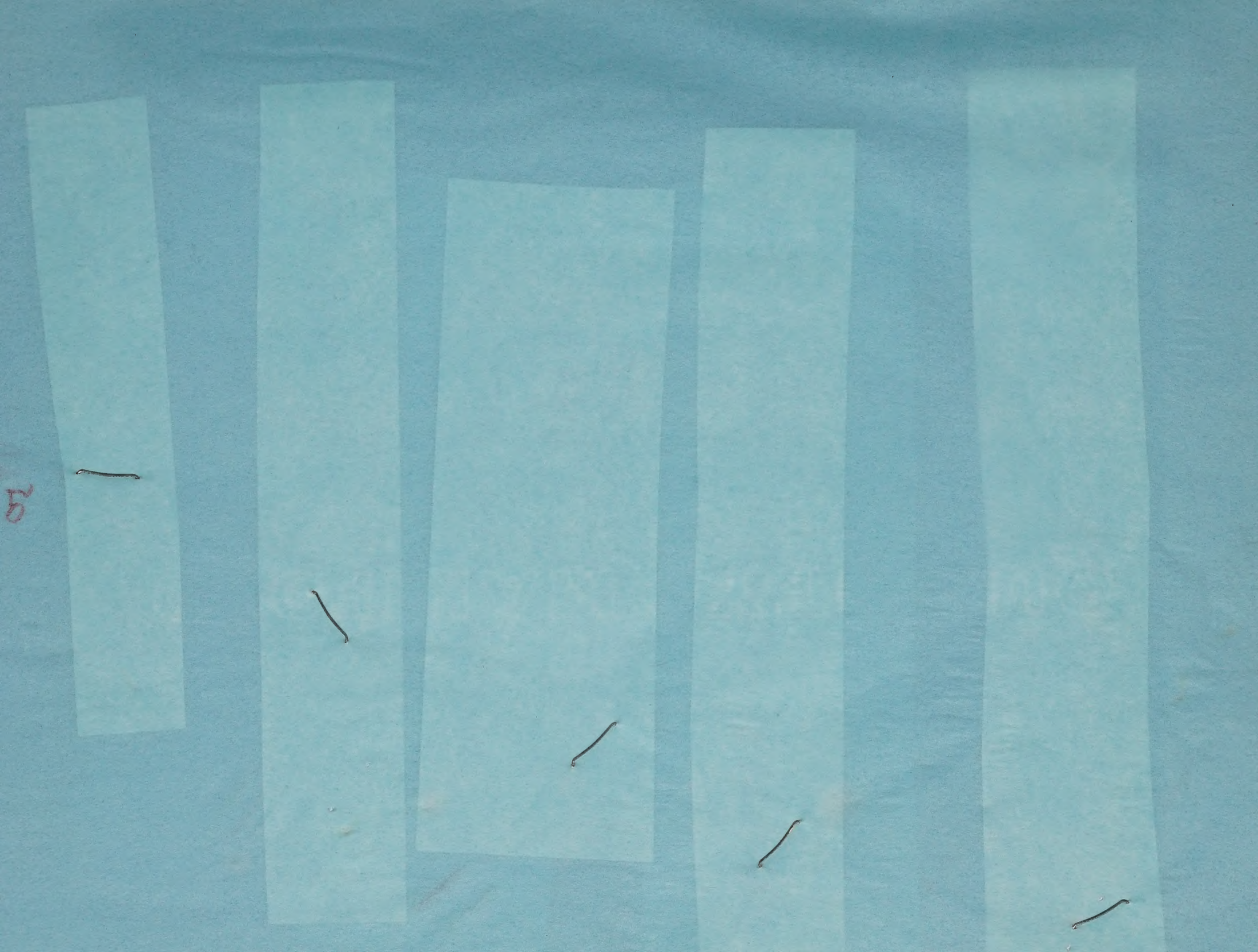
TWO GREAT PROBS. OF NETWK

MAFIA
EXEC. Br. of Govt. } Tyranny Dift.

UNCLE WIGGILY FORESAW WATERGATE

ORWELL 2

HONEST, SIMPLE



Is it worth waiting for?
Depends on
HAND-BUSH BIRD UTILITY RATIO

I don't mind being called a liar
because that indicates
you're paying attention,

it shows you're
DEALING WITH YOUR
COGNITIVE DISSONANCE
IN A HEALTHY FASHION

If you can think of any way
I can get anywhere
without Xanadu working,
don't tell me...
I don't want to be tempted.

But
THOSE WHO UNDERSTAND OUR ALGORITHMS
BELIEVE IT WILL WORK

I am grateful to
ELLIOTT
N. E'KUBLA'
JOHN
CAL

Okay, maybe it will never fly
maybe it's just a dream
But isn't it a nice dream
If I'm gonna throw my life away it might as well be on this
but only that's what it's about
We are the stuff of Sun Dreamers

↓

Of An Dr. Machines
Come Kissy, Airplane

↓

Flipside of My Book { First half, LIB

Come dream along with Me.
The best is yet to be.
That's what the gadgets are about
to help us (feel), dream,
to make us see.

FEET ON THE GROUND or men STUCK IN THE MIRE;
BUT on our glorious BIG-IT-ALL SCREENS
WE MINGLE THE MAGICS OF AIR AND OF FIRE.
And now the X.T.C.

# PATTER

SPOKEN: How we gonna sell home computers?

(Top feat two lines, do business, take off PX.)

Well, you won't to sell computers,
I'll tell you wlat to do,
You've got to reach the housewives
and the children too
Nobody ~~Nobody~~ wants to program, people want to fly to view.

It's got to offer fun, and after truth;
It's got to give you something to lift you from the booth,
It's got to be uplifty to the lady in duluth.

You've got to have an entry
You've got to have an angle
You should maybe sing a jingle
In a way that doesn't jangle
And it's got to give a tingle
In a way their minds can't mangle.

Continuing under our guidance inert. ad lib,
Let's have the XU singing commercial.

PLATE 12

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Zanadu the world of you.

1/ It's got e-ev-ry thing to give
It'll get you where you live.

2/ Realm of mind, that you may roam
Grsp them all within your home.

3/ The greatest things you've ever seen
Dance your wishes on the screen

4/ All the things that man has known
Comin on the telephone.

5/ Poems, books and pictures too
Comin on the Xanadu

Xanadu,ooo -- The world of you ~~(up to you)~~

TOM BOURNE

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Xanadu, ooo -- The world of you (are so you).

1/ Poems, books and pictures too
Comin' on the telephone.

2/ Dancing your wishes on the screen
The greatest things you've ever seen

3/ Deep in mind, that you may roam
Grab them all within your home.

4/ It's got every thing to give
It'll get you where you live.

Xanadu this world of you.